What is claimed is:

1. An antimycobacterial compound that is an inhibitor of a mycobacterium-specific enzyme, wherein the compound has the formula:

$$N$$
 NR_1R_2

 R_1 and R_2 can each independently be lower cycloalkyl, bridgehead cycloalkyl, N- or O- cyclized bridgehead cycloalkyl, cycloalkoxy, C_1 to C_{10} alkenyl comprising 1 to 3 alkenyl moieties (C=C), fatty acids, aryl or substituted aryl, benzyl or C_1 to C_{10} arylalkyl or substituted arylalkyl, heterocyclic aryl or arylalkyl, naphthyl, alkylamino, halogenated derivatives thereof.

- 2. The compound of claim 1 wherein R_1 and R_2 is methyl.
- 3. The compound of claim 1 wherein R_1 and R_2 is ethyl.
- 4. The compound of claim 1 wherein R_1 and R_2 is methoxy.
- 5. The compound of claim 1 wherein R_1 and R_2 is ethoxy.
- 6. The compound of claim 1 wherein R_1 and R_2 is carboxymethyl.
- 7. A pharmaceutical composition comprising the compound of claims 1, 2, 3, 4, 5 or 6 and a pharmaceutically acceptable carrier.
- 8. A method of treating an animal infected with a disease-causing microorganism of a *Mycobacterium* species, the method comprising the step of administering to the animal a therapeutically effective amount of a pharmaceutical composition of claim 7.

- 9. A method of killing a microorganism infecting a mammalian cell, the method comprising contacting said cell with the composition of claim 7.
- 10. A method of killing a tuberculosis-causing microorganism infecting a mammalian cell, the method comprising contacting said cell with the composition of Claim 7.